

Title (en)

Sketch-based editing of curves

Title (de)

Verfahren und Vorrichtung zur Editierung von skizzierten Kurven

Title (fr)

Méthode et appareil pour l'édition des courbes basé sur une esquisse

Publication

**EP 1612735 B1 20090218 (EN)**

Application

**EP 05015813 A 19990329**

Priority

- EP 99302435 A 19990329
- US 5656798 A 19980407

Abstract (en)

[origin: EP0953944A2] A method and apparatus implementing a technique for editing an existing curve in a computer graphics system. In one aspect, a method includes receiving a sketch curve as input. The sketch curve has a first modification end point and a second modification end point. A target section of the existing curve is calculated by finding a first target end point and a second target end point in the existing curve. The first target end point is a point on the existing curve closest to the first modification end point and the second target end point is a point on the existing curve closest to the second modification end point. The target section is removed from the existing curve. A replacement curve is created and is inserted into the existing curve in place of the target section. The existing curve and the replacement curve are faired at their respective neighboring end points. <IMAGE>

IPC 8 full level

**G06T 3/00** (2006.01); **G06T 11/20** (2006.01); **G06T 11/00** (2006.01); **G06T 11/80** (2006.01)

CPC (source: EP US)

**G06T 11/001** (2013.01 - EP US); **G06T 11/20** (2013.01 - EP US)

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

**EP 0953944 A2 19991103**; **EP 0953944 A3 20030709**; **EP 0953944 B1 20051019**; DE 69927738 D1 20060302; DE 69927738 T2 20060720; DE 69940445 D1 20090402; EP 1612735 A1 20060104; EP 1612735 B1 20090218; JP 4312295 B2 20090812; JP H11328431 A 19991130; US 6208355 B1 20010327

DOCDB simple family (application)

**EP 99302435 A 19990329**; DE 69927738 T 19990329; DE 69940445 T 19990329; EP 05015813 A 19990329; JP 10051899 A 19990407; US 5656798 A 19980407